

LISTING OF THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A barrel-shaped bearing comprising: (1)having an external bearing ring, (2) and an internal bearing ring (3), having inward of the external ring;

at least one row of barrel-shaped rolling bodies (4;22) arranged in between the external and internal rings, each rolling body, having opposite ends and an encircling groove into and extending around the rolling body between the ends thereof;[[,]] and having

at least one disk-shaped cage between the rings (5;27) which revolves together with the rolling bodies (4;22), the cage engages in an the encircling groove (7) grooves of the rolling bodies (4;22) of one row and, the cage having an on its outer circumference, including (8), has a number of recesses (9) therein corresponding to the number of rolling bodies (4;22) of a in the row, characterized in that

[[a)]] the inner ring having a running surface toward the rolling bodies, and the entire running surface (12) of the internal ring (3) has a concave cross section extending axially over the entire axial length of a the rolling body (4;22) bodies;

[[b)]] the recesses in the cage being of such depth and so shaped as to have two opposed sides such that the smallest distance between the two sides (26;31) of a recess (9) of the disk-type cage (5;27) is smaller in the region of the outer circumference (8) thereof of the cage than the a diameter of a rolling body (4;22) in the region of the groove (7) encircling the latter rolling body.

2. (Currently Amended) The barrel-shaped bearing as claimed in claim 1, characterized in that wherein the maximum (radial) radial width b of the annular disk-type cage (5;27) between the outer and an inner circumferential surface (8;10) thereof of the cage is greater than half of the diameter of a rolling body (4;22) in the region of the groove (7) encircling the latter rolling body.

3. (Currently Amended) The barrel-shaped bearing as claimed in claim 1, wherein or-2, characterized in that the maximum (radial) radial width b of the annular disk-type cage (5;27)

between the outer and an inner circumferential circle (8, 10) thereof is equal to or greater than the diameter of a rolling body (4, 22) in the region of the groove (7) encircling the rolling body ~~latter, or is greater than said diameter.~~

4. (Currently Amended) The barrel-shaped bearing as claimed in ~~one of claims 1 to 3,~~ characterized in that claim 1, wherein the distance between two adjacent ones of the recesses (9) of in the disk-type cage (4, 22) in the region of the outer circumference (8) thereof is greater than the difference of in the maximum diameter of a rolling body (4, 22) minus the diameter ~~thereof~~ of the rolling body in the region of the groove base (13).

5. (Currently Amended) The barrel-shaped bearing as claimed in ~~one of the preceding claims, characterized in that the~~ claim 1, wherein ~~opposing~~ sides (26, 31) of a recess (9) of the disk-type cage (5, 27) in the region of the outer circumference (8) ~~thereof~~ of the cage converge in its ~~the~~ radial direction.

6. (Currently Amended) The barrel-shaped bearing as claimed claim 1, wherein ~~in one of the preceding claims, characterized in that~~ a recess in (9) of the disk-type cage (5, 27) is edged by a curve (25, 28) of constant curvature r_s ~~(in some regions)~~ at least in some regions.

7. (Currently Amended) The barrel-shaped bearing as claimed in ~~one of the preceding claims, characterized in that~~ claim 1, wherein the radius of curvature r_s of the an edging curve (25, 28) of a recess (9) of the disk-type cage (5, 27) is smaller than ~~the~~ a radial width b of the disk-type cage: such that $r_s < b$.

8. (Currently Amended) The barrel-shaped bearing as claimed in ~~one of the preceding claims~~ claim 1, characterized in that wherein the encircling groove (7) in the circumferential surface

(16) of a barrel-shaped rolling body (4; 22) has mutually parallel side surfaces (21) or has side surfaces (23) ~~diverging~~ that diverge outward from each other.

9. (Currently Amended) The barrel-shaped bearing as claimed in claim 8, ~~characterized in that~~ wherein the side surfaces (23) of the encircling groove (7) in the circumferential surface (16) of a barrel-shaped rolling body (22) run along conical circumferential surface areas.

10. (Currently Amended) The barrel-shaped bearing as claimed in claim 9, ~~wherein characterized in that~~ the conical circumferential surface areas of a groove (23) ~~in each case~~ have opening angles α of more than 170° , ~~preferably of more than 175° , in particular of more than 178° ,~~ so that the side surfaces (23) of a groove (7) enclose an intermediate angle β of less than 20° ; ~~preferably of less than 10° , in particular of less than 4° .~~

11. (Currently Amended) The barrel-shaped bearing as claimed in claim 9, wherein ~~one of the preceding claims, characterized in that~~ the conical circumferential surface areas (23) ~~in each case~~ have opening angles α of less than 179° , so that the side surfaces (23) of a groove (7) enclose an intermediate angle β of more than 2° .

12. (Currently Amended) The barrel-shaped bearing as claimed in claim 1, wherein ~~in one of the preceding claims, characterized in that~~ the groove has width b_N at the groove base (13) which corresponds approximately to the thickness d of the disk-type cage (5; 27).

13. (Currently Amended) The barrel-shaped bearing as claimed in claim 1, wherein ~~one of the preceding claims, characterized in that the cross-section of geometry of~~ the external ring (2), of the internal ring (3) and of the rolling bodies (4; 22) ~~is~~ have respective cross-sections dimensioned in such a manner that a total of three or four contact points with the rings are produced per rolling body (4; 22).

14. (New) The barrel-shaped bearing as claimed in claim 10, wherein the opening angle is more than 175° and the intermediate angle is less than 10° .

15. (New) The barrel-shaped bearing of claim 10, wherein the opening angle is more than 178° and the intermediate angle is less than 4° .